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TO:

WORLD RESOURCES COMPANY

ARIZONA RECYCLING FACILITY

...in partnership with the environment $oldsymbol{\mathbb{R}}$

World Resources Company 8113 West Sherman Street

Tolleson, AZ 85353

LDRN LAND DISPOSAL RESTRICTION NOTICE

A copy of this Notice must be retained by the generator for at least three (3) years pursuant to U.S. EPA regulations, 40 CFR §268.7(a)(8). Moreover, the generator should check the hazardous-waste regulations of its own state, because if there is a state analogue to the federal regulation, it may require longer retention time, such as five (5) years. It should also be noted that the federal regulation (and, typically, a state analogue as well) requires the retention period to be extended in specified cases.

FROM:	Alaskan Copper Works
	(Company Name)
	3200 Sixth Avenue South
	(Address)
	Seattle, WA 98124
	(Phone)
Manifest Number:	003760813 1110
Date of Shipment:	3-3-09

This shipment of material is subject to the land disposal restrictions of 40 CFR Part 268. The applicable Land Disposal Restriction Information is provided in accordance with 40 CFR §268.7(a)(2) and is shown below:

EPA Material Number	Treatability Group	CFR Reference for Treatment Standards			
F006	Non-wastewater	40 CFR §268.40			
	1/56				
	(Signature)	A. Thomps			
医集成 化正常性色质管		inted Name)			
	Environmental	Asst.			
		(Title)			

PAF: rek/Facility Forms Manual/Transportation-072 AZF: AZF010//F18 Date: 5/16/2007, Revision: Origina

Copyright 2006 World Resources Company

Material Safety Data Sheet

MSDS ID # AZ-10-F

F006 Recyclable Material (Filter Cake)

Recycler:

World Resources Company

8113 West Sherman Street

Tolleson, AZ 85353

Tel: (602) 233 9166 Fax: (623) 936 9164

November 2007 DLS

Call INFOTRAC only in the event of emergencies during shipping that

involve a spill, leak, fire or accident

(all calls are recorded)

For Emergencies During Shipping in the US or Canada, Day or Night.

Call: INFOTRAC 1.800.535.5053

Reference Company Name: "World Resources Company" Outside the United States Call Collect: 001-352-323-3500

Section 1 Material Identification

EPA Waste Classification:

Generic Name: Electroplating/Metal-Finishing Wastewater Treatment Sludge

Chemical Family:

Metallic (Hydroxide) Precipitates

Non-ferrous Metal Hydroxide Filter Cake

DOT Shipping Name:

RQ, Hazardous waste solid, n.o.s. (F006) **DOT Hazard Class:**

DOT Packing Group: Ш

DOT Identification Number:

NA 3077

Guide 171 of the North American Emergency Response Guidebook Applies

Section 2 Hazardous Ingredients Ingredient: **CAS Number:** Content (%): OSHA PEL (8hr TWA): Toxicology (rat, oral): Copper Hydroxide 20427-59-2 0 - 301.0 mg(Cu)/m3 (Dust) LD-50 1,000 mg/kg Nickel Hydroxide 12054-48-7 0 - 151.0 mg(Ni)/m³ (Dust) LD-50 1,500 mg/kg Calcium Hydroxide 1305-62-0 0 - 155.0 mg/m³ (Dust) LD-50 7,340 mg/kg Diatomite 61790-53-2 0 - 105.0 mg/m³ (Dust) LD-50 Not Determined

Section 3 Physical and Reactivity Data

Description:

Solid, Clay-like, Gray/Green

to Brown, Moisture ~ 30 - 80%

Specific Gravity: 25 to 35 Solubility: Insoluble in Water Density: 50 - 90 lbs/ft3

Incompatible Reactivity: None Known

Vapor Pressure: Stability: Avoid Contact with Acids **Boiling Point:** Above 2,600°C

Melting Point: Above 1.800°C pH: 7.0 to 10.0 Odor: Polymerization: Will Not Occur

Section 4 Fire and Explosion Data

Flashpoint:

Nonflammable

Decomposition (Due to Fire or Explosion):

Special Firefighting Procedures: None

None

Oxidation: Explosive: Non-oxidizing Non-explosive

NFPA Fire Diamond

Section 5 Toxicity

Listed Carcinogen Components: Nickel Toxicology: See Sec. 2 Route of Entry:

Section 6

Inhalation, Ingestion

Nil

Health Effects and First Aid Inhalation:

Dust may irritate mucous membranes and upper respiratory tract. Remove to fresh air and treat symptoms.

Rare in industry. Induce vomiting (do not induce vomiting or give a liquid to an unconscious person) and call a physician. Ingestion:

Eves: Dust may irritate eyes. Wash with copious amounts of water for 15 minutes, if effects persist, call a physician.

Skin: Dust may irritate skin with prolonged contact. Wash with soap and water.

Special attention should be given to employees with anemia, restricted respiratory abilities, lung cancer, permanent kidney damage and Comments: metal-sensitive skin or skin lesions. Unprotected long-term overexposure may cause effects to the following target organs or body

systems - blood, digestive, respiratory, liver, kidneys and skin.

Section 7 Precautions for Safe Handling

Good personal and industrial hygiene should always be practiced. It is recommended that personal protective equipment (PPE) be used Handling: by personnel who will come in contact with this material. The PPE should include eye protection, respirator and gloves.

Keep covered and avoid conditions where wind could cause dispersal. Do not eat, drink or smoke where material is handled to avoid Storage: inhalation or ingestion. Store in a dry area under cover to protect from rain.

Use cleaning procedures that avoid creating excessive dust. Vacuum when possible. Package material and ship to consignee or return to Spills:

World Resources Company at the above address.

Section 8 **Control Measures**

Respiratory Protection: NIOSH-MSHA approved respirators as required.

Eye Protection:

Safety glasses recommended.

Other Protective Equipment: Coveralls are recommended, but not required. Hand Protection: Gloves recommended

Section 9 Generator's Verification This MSDS describes the material listed in the attached Manifest #: 003760813 JJ

Company Name: Alaskan Copper Works

3200 Sixth Avenue South, Seattle, WA 98124 Company Address:

Telephone: 206-382-8379

Signature: